

Claims

[c1] What is claimed is:

1.A cable for a universal serial bus (USB) interface comprising:

a host connection end installed on one end of the cable comprising two power pins and two signal pins for connecting to a USB port of a computer;

a data connection end installed on another end of the cable comprising two signal pins connected to the two signal pins of the host connection end respectively for connecting to a USB port of a first peripheral device and providing communication between the first peripheral device and the computer; and

at least one power connection end installed on the same end of the cable as the data connection end comprising only two power pins for connecting to a USB port of a second peripheral device and providing power to the second peripheral device.

[c2] 2.The cable of claim 1 wherein the communication protocol of the signal pins conforms to USB 1.1/2.0 standard.

[c3] 3.The cable of claim 1 wherein the power provided by

the power pins conforms to USB 1.1/2.0 standard.

- [c4] 4.The cable of claim 1 wherein the materials of the cable conform to USB 1.1/2.0 standard.
- [c5] 5.The cable of claim 1 wherein the first peripheral device is a scanner, a printer, or a modem.
- [c6] 6.The cable of claim 1 wherein the second peripheral device is a light, a charger, or a radiator.
- [c7] 7.The cable of claim 1 wherein the data connection end further comprises two power pins connected to the two power pins of the host connection end for providing power to the first peripheral device.
- [c8] 8.The cable of claim 7 wherein the first peripheral device is a keyboard, a mouse, or a digital camera.
- [c9] 9.A connection module for a universal serial bus (USB) interface comprising:
 - a housing;
 - a host connection port installed on the housing comprising two power pins and two signal pins for providing connection to a computer;
 - a data connection port installed on the housing comprising two signal pins connected to the two signal pins of the host connection port respectively for providing con-

nection to a first peripheral device so that the computer communicates with the first peripheral device; and at least one power connection port installed on the housing comprising only two power pins connected to the two power pins of the host connection port for providing connection to a second peripheral device so that the computer transmits power to the second peripheral device.

- [c10] 10.The connection module of claim 9 wherein the data connection port further comprises two power pins connected to the two power pins of the host connection port so that the computer transmits power to the first peripheral device.
- [c11] 11.The connection module of claim 9 wherein the first peripheral device is a keyboard, a mouse, or a digital camera.
- [c12] 12.The connection module of claim 9 wherein the first peripheral device is a scanner, a printer, or a modem.
- [c13] 13.The connection module of claim 9 wherein the second peripheral device is a light, a charger, or a radiator.
- [c14] 14.The connection module of claim 9 wherein the communication protocol of the signal pins conforms to USB 1.1/2.0 standard.

[c15] 15. The connection module of claim 9 wherein the power provided by the power pins conforms to USB 1.1/2.0 standard.